

(19)

Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11)

**EP 1 152 120 A3**

(12)

**EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:

12.06.2002 Bulletin 2002/24

(51) Int Cl.7: E21B 43/10, E21B 43/08

(43) Date of publication A2:

07.11.2001 Bulletin 2001/45

(21) Application number: 01304042.3

(22) Date of filing: 03.05.2001

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE TR

Designated Extension States:

AL LT LV MK RO SI

(72) Inventors:

- Castano-Mears, Ana M.  
Coppell, Texas 75019 (US)
- Gano, John C.  
Carrollton, Texas 75007 (US)
- Echols, Ralph H.  
Carrollton, Texas 75287 (US)

(30) Priority: 05.05.2000 US 565899

(71) Applicant: Halliburton Energy Services, Inc.  
Dallas, Texas 75381-9052 (US)

(74) Representative: Curtis, Philip Anthony et al  
A.A. Thornton & Co.,  
235 High Holborn  
London WC1V 7LE (GB)

(54) **Expandable well screen**

(57) An expandable well screen (36) provides increased collapse, torsional and tensile strength. In an embodiment, the expandable well screen (36) includes a generally tubular base pipe (38) and an external filtering media (40). The well screen (36) is configured to have sufficient torsional and tensile strength for conveyance and positioning in a wellbore, while also having sufficient strength to prevent collapse when the screen (38) is radially expanded.

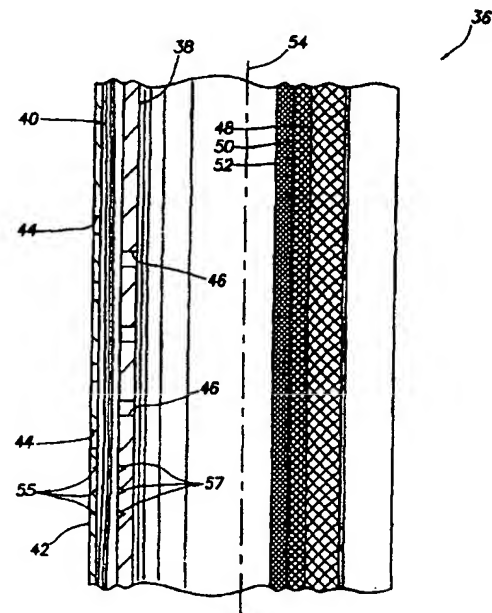


FIG.2

EP 1 152 120 A3



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 01 30 4042

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (In I.C.I.7)
X	FR 2 771 133 A (DRILLFLEX) 21 May 1999 (1999-05-21) * claim 1 * * figures 6,7 *	1,9	E21B43/10 E21B43/08
X	US 3 099 318 A (MILLER MONTGOMERY K ET AL) 30 July 1963 (1963-07-30) * column 7, line 29-32 * * figures 1-4 *	1,9	
X	WO 98 49423 A (SHELL CANADA LTD ;SHELL INT RESEARCH (NL)) 5 November 1998 (1998-11-05) * page 4, line 28-35 * * figures 3,4 *	7	
A	US 5 901 789 A (KENTER CORNELIS JAN ET AL) 11 May 1999 (1999-05-11) * the whole document *	1,3,5, 7-10	
			TECHNICAL FIELDS (In I.C.I.7)
			E21B
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>19 April 2002</b>	Examiner <b>Schouten, A</b>
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document</p> <p>T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons a: member of the same patent family, corresponding document</p>			

EPO FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 30 4042

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

19-04-2002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2771133	A	21-05-1999	FR 2771133 A1	21-05-1999
			AU 1159199 A	07-06-1999
			WO 9925951 A1	27-05-1999
US 3099318	A	30-07-1963	NONE	
WO 9849423	A	05-11-1998	AU 717503 B2	30-03-2000
			AU 7651798 A	24-11-1998
			BR 9809005 A	08-08-2000
			WO 9849423 A1	05-11-1998
			EP 0980462 A1	23-02-2000
			NO 995248 A	27-10-1999
US 5901789	A	11-05-1999	AU 710745 B2	30-09-1999
			AU 7568096 A	29-05-1997
			BR 9611456 A	17-02-1999
			DE 69617258 D1	03-01-2002
			EA 980433 A1	29-10-1998
			WO 9717524 A2	15-05-1997
			EP 0859902 A2	26-08-1998
			JP 11514712 T	14-12-1999
			NO 982087 A	07-07-1998
			NZ 322015 A	28-10-1999
			US 6012522 A	11-01-2000

EPO FORM P045

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82